## Index of Claims



Application/Control No.

10/517,527

Examiner

Date

SHIGEKI ET AL.

Reexamination

Applicant(s)/Patent under

Art Unit

Felisa C. Hiteshew

1722

Rejected Allowed

(Through numeral)
Cancelled

Claim

Restricted

Non-Elected N Interference

Appeal Α

0 Objected

Cla	Date									
	┼	1	$\overline{}$	$\overline{}$	ual) T	T	Т	Т		
Final	Original	9/15/06	02/19/07		į					
8	1	1	=			T	1	1	1	
	2	1	=	$\vdash$		†-		+-	1-	
1	3	1	=	$\vdash$	╁	╁	┿	$\vdash$	$\vdash$	_
13	4	1	=	<u> </u>	$\vdash$	+-	$\vdash$	╁╌	╁	
2	5		=	┢	$\vdash$	+	+-	╁	$\vdash$	
16	6	j	-		┼╌	-	┢	+	+	$\vdash$
3	7	7	H	H	╌	$\vdash$	┼	┼	$\vdash$	-
9 1 13 2 16 3 5 4 6	8	J	=	┢	$\vdash$	+	╁	$\vdash$	╁╌	<del> </del> —
4	a	1	├ <del></del>		+-	+	┼	+	-	<del> </del>
6	10	j	-	┢	-	+	+	+-	-	-
7	11	J	=	┢	<del>                                     </del>	╁╌	╁	+-	┼	
H	12	7 7 7 7			†—	$\vdash$	╁	-	+	-
10	13	Ė	=		+	$\vdash$	$\vdash$	+	1	$\vdash$
11	14	$\vdash$	=	$\vdash$	<u> </u>	+	$\vdash$	+-	1	<del> </del>
10 11 12 14 15	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22		╘	<del>                                     </del>	t	†-	+	+-	$\vdash$	$\vdash$
14	16		=	Н	$\vdash$	t	$\vdash$	$\vdash$	+-	$\vdash$
15	17		=		t	t	<del>                                     </del>		<del>  -</del>	
	18					+-	$\vdash$	1	╁─	
	19	_			╁		╁		┢	
<b></b>	20	$\vdash$		-	$\vdash$	<u> </u>	$\vdash$	+-	╁	
	21	_		_		┢-	$\vdash$	$\vdash$		
	22			_	$\vdash$	Τ-		_	$\vdash$	
	23 24 25 26 27 28 29 30				Г	T	$\vdash$	$\vdash$	_	-
	24					$\vdash$		_		
	25				1	$\vdash$	T	<u> </u>		
	26	П				Г		1		
	27							t		
	28					_		<del> </del>	$\Box$	
	29	П						$I^-$		
	30						$\vdash$			
	31				1					
	32									
	31 32 33								М	
	34								П	
	34 35									
	36							Γ	П	
	37 38								П	
	38									
	39									
]	40									
	41									
	42	$\Box$							$\Box$	
	43_	Ш					_			
	44					L				
	45	$\sqcup \bot$		_		L_				
	46					L.,		Щ	Ш	]
	47						L	Ш	Ш	_]
	48	_	_	_			Ш	Ш	$\Box$	_
	49	_	_			<u> </u>		L.,	$\Box$	
- 1	50	- 1	- 1					ı 1	ı İ	- 1

3 1 1 = 51			-		_		<del>,</del>	<del></del>				4		41111					-ai	<u> </u>			
3 4 7 9 =       54 5 7 =         3 5 6 7 =       55 5 5         3 6 7 8 =       55 55         4 8 7 9 7 1 =       55 55         5 9 9 7 =       58 55         5 9 9 7 =       58 59         1 10 7 =       60 60 60         1 11 7 =       62 62 60         1 14 1 =       62 65 66 66 65         5 17 =       66 66 66 66 66 66 66 66 66         5 17 =       67 7 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	<u> </u>	Original	9/15/06	02/19/07									Final	Original									
3 4 7 9 =       54 5 7 =         3 5 6 7 =       55 5 5         3 6 7 8 =       55 55         4 8 7 9 7 1 =       55 55         5 9 9 7 =       58 55         5 9 9 7 =       58 59         1 10 7 =       60 60 60         1 11 7 =       62 62 60         1 14 1 =       62 65 66 66 65         5 17 =       66 66 66 66 66 66 66 66 66         5 17 =       67 7 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	}	1	V	=	_		┢		<del>                                     </del>	-	-	1		51	$\vdash$			-		-	<del></del>	╁	⊢
3 4 7 9 =       54 5 7 =         3 5 6 7 =       55 5 5         3 6 7 8 =       55 55         4 8 7 9 7 1 =       55 55         5 9 9 7 =       58 55         5 9 9 7 =       58 59         1 10 7 =       60 60 60         1 11 7 =       62 62 60         1 14 1 =       62 65 66 66 65         5 17 =       66 66 66 66 66 66 66 66 66         5 17 =       67 7 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	)	2			$\vdash$	$\vdash$	╁─		-	-		1		52	-	-			┝╌	┢	<del>                                     </del>	⊢	╁
3 4 7 9 =       54 5 7 =         3 5 6 7 =       55 5 5         3 6 7 8 =       55 55         4 8 7 9 7 1 =       55 55         5 9 9 7 =       58 55         5 9 9 7 =       58 59         1 10 7 =       60 60 60         1 11 7 =       62 62 60         1 14 1 =       62 65 66 66 65         5 17 =       66 66 66 66 66 66 66 66 66         5 17 =       67 7 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	<u>-</u>	3		-		$\vdash$	<del>                                     </del>	-		$\vdash$	_	1		53		$\vdash$	-		$\vdash$	<del> </del>	<del> </del>	⊢	⊢
1	3	4		⊢	-	$\vdash$		$\vdash$	-	-		1	<u> </u>	54	-		-	⊢	-	-	$\vdash$		⊢
10	•	5		_	<u> </u>	┢				$\vdash$		ł		55				┝		├-		_	⊢
1	6				$\vdash$	-			-	$\vdash$	$\vdash$	1		56		$\vdash$		┝	-	$\vdash$	⊢	<del> </del>	⊢
18       \( \) =  <td< td=""><td>Č</td><td>7</td><td></td><td>_</td><td><math>\vdash</math></td><td>-</td><td></td><td></td><td><del> </del></td><td><math>\vdash</math></td><td>-</td><td></td><td>-</td><td>57</td><td></td><td>├</td><td></td><td></td><td></td><td>-</td><td><math>\vdash</math></td><td>-</td><td><del> </del></td></td<>	Č	7		_	$\vdash$	-			<del> </del>	$\vdash$	-		-	57		├				-	$\vdash$	-	<del> </del>
10   V   =	<u></u>			_	┝╌	$\vdash$	$\vdash$	-	_		├—	-	-	50	H	_				⊢	$\vdash$	_	-
10   V   =		a		_	$\vdash$				$\vdash$		├	1		50	H					├	$\vdash$	$\vdash$	⊢
11	_	10				-		$\vdash$	-		⊢	1		59					-	<del> </del>	Н		-
12   V	<u>,                                    </u>	11			_							1		64	_		_	_	_	_		L	$\vdash$
1 14       =         2 15       =         4 16       =         5 17       =         18       66         19       68         20       70         21       71         22       73         24       74         25       76         26       76         27       78         29       30         30       80         31       81         32       82         33       83         34       84         35       86         37       88         39       89         40       90         41       91         42       92         43       94         44       99         99       99	_	12		_	$\vdash$	-	⊢	_	_		-	1		60	_				<u> </u>		_	L	$\vdash$
1 14       =         2 15       =         4 16       =         5 17       =         18       66         19       68         20       70         21       71         22       73         24       74         25       76         26       76         27       78         29       30         30       80         31       81         32       82         33       83         34       84         35       86         37       88         39       89         40       90         41       91         42       92         43       94         44       99         99       99	_	12	•		-	-	-		<u> </u>		⊢	┨		02					ļ		$\vdash$		╙
18       68         19       68         20       70         21       71         22       72         23       74         25       75         26       76         27       77         28       79         30       30         31       81         32       82         33       81         34       84         35       86         36       86         37       88         39       90         41       91         42       92         43       94         44       94         45       96         46       97         48       98         49       99	-	14			_	-	<u> </u>		_			1		63	_			_	_	_	_	igspace	_
18       68         19       68         20       70         21       71         22       72         23       74         25       75         26       76         27       77         28       79         30       30         31       81         32       82         33       81         34       84         35       86         36       86         37       88         39       90         41       91         42       92         43       94         44       94         45       96         46       97         48       98         49       99	<u>-</u>	15	$\vdash$			<u> </u>	-	$\vdash$			<u> </u>	1		64					L		Ш	_	
18       68         19       68         20       70         21       71         22       72         23       74         25       75         26       76         27       77         28       79         30       30         31       81         32       82         33       81         34       84         35       86         36       86         37       88         39       90         41       91         42       92         43       94         44       94         45       96         46       97         48       98         49       99	-	16		_	_		H		_			ł		65	Ш				_	_	Ш		<u> </u>
18       68         19       68         20       70         21       71         22       72         23       74         25       75         26       76         27       77         28       79         30       30         31       81         32       82         33       81         34       84         35       86         36       86         37       88         39       90         41       91         42       92         43       94         44       94         45       96         46       97         48       98         49       99	-	17	-		_		<u> </u>		_	<u> </u>		ł		66					<u> </u>			_	
20       70         21       71         22       73         23       73         24       74         25       76         26       76         27       77         28       79         30       80         31       81         32       83         33       84         35       85         36       86         37       88         39       89         40       90         41       91         42       92         43       94         44       94         45       96         47       98         99       99	_	10		_		<u> </u>	<b>-</b> -	-				ł		6/	Ш					L	<b>—</b>	Ш	<u> </u>
20       70         21       71         22       73         23       73         24       74         25       76         26       76         27       77         28       79         30       80         31       81         32       83         33       84         35       85         36       86         37       88         39       89         40       90         41       91         42       92         43       94         44       94         45       96         47       98         99       99		10				_		_				ł		68						L,			
21       71       72         23       74       75         24       75       76         25       76       77         28       77       78         29       79       30         30       80       81         32       82       82         33       83       84         35       85       86         36       86       87         38       88       88         39       90       90         41       91       92         43       94       94         45       96       97         48       98       99		20				_	-					ļ		69	$\Box$					L			<u> </u>
22       3       72       73         24       74       74       75         25       76       77       78         27       78       79       30         30       31       81       82         33       81       82       83         34       84       84       84         35       86       86       87         38       88       88       89         40       90       90       90         41       91       92         43       94       94         44       94       94         45       96       96         47       98       99	-	20				_						1		70		_					Щ		<u> </u>
24       74         25       75         26       77         27       77         28       77         29       78         30       80         31       81         32       83         33       84         35       85         36       86         37       87         38       88         39       89         40       90         41       91         42       93         43       94         44       95         46       96         47       97         48       99         49       99	$\dashv$	21		_		_				_	_				Ш					Щ		Ш	<u> </u>
24       74         25       75         26       77         27       77         28       77         29       78         30       80         31       81         32       83         33       84         35       85         36       86         37       87         38       88         39       89         40       90         41       91         42       93         43       94         44       95         46       96         47       97         48       99         49       99		22	-									١.		72	$\perp$					_	Ш		<b></b>
25       75         26       76         27       77         28       78         29       79         30       80         31       81         32       83         33       84         35       85         36       86         37       87         38       88         39       89         40       90         41       91         42       92         43       94         45       96         47       97         48       99         49       99	$\dashv$	23		_		_								73			_				Щ		<u> </u>
26       76         27       77         28       77         30       80         31       81         32       83         33       84         35       85         36       86         37       87         38       88         39       89         40       90         41       91         42       92         43       94         45       96         47       97         48       99         49       99	┥	24		-	_			_			<u> </u>			_/4				_			Щ		<u> </u>
28       78         29       80         31       81         32       82         33       83         34       84         35       85         36       86         37       88         38       88         39       88         40       90         41       91         42       92         43       94         44       95         46       96         47       97         48       98         49       99	┥	25	-	$\dashv$	_		_							75		_	_						
28       78         29       80         31       81         32       82         33       83         34       84         35       85         36       86         37       88         38       88         39       88         40       90         41       91         42       92         43       94         44       95         46       96         47       97         48       98         49       99	4	20	$\dashv$		_									76		_							
29       79         30       80         31       81         32       82         33       83         34       84         35       86         37       86         38       86         39       88         40       90         41       91         42       92         43       93         44       95         46       96         47       97         48       98         49       99	┥	20		-				$\dashv$						-//	_		_					Щ	<u>_</u>
30       80         31       82         33       82         34       84         35       85         36       86         37       88         38       88         39       88         40       90         41       91         42       92         43       94         44       95         46       96         47       97         48       98         49       99	$\dashv$	20	$\dashv$	$\dashv$	_		$\dashv$	$\dashv$	_					78	_	-	-	_					
31       81         32       82         33       83         34       84         35       85         36       86         37       88         39       88         40       90         41       91         42       92         43       94         44       95         46       96         47       98         48       99         49       99	$\dashv$	29	-	$\dashv$	-		_	$\dashv$		_				/9	_				_				
32       82         33       83         34       84         35       85         36       86         37       87         38       87         39       88         40       90         41       91         42       92         43       93         44       94         45       95         46       97         48       98         49       99	-	30	$\dashv$		_		-							80		_		_				_	
33       83         34       84         35       85         36       86         37       88         38       87         39       88         40       90         41       91         42       92         43       93         44       94         45       96         46       96         47       98         48       99         49       99	_	31	-	-	_			-	$\dashv$					81							_		_
34       84         35       85         36       86         37       87         38       87         39       88         40       90         41       91         42       92         43       93         44       94         45       95         46       96         47       98         48       99         49       99	-	32	_		$\dashv$		_		$\dashv$					82	$\dashv$	_	_			_	_		
35     85       36     86       37     87       38     87       39     88       40     90       41     91       42     92       43     93       44     94       45     96       46     96       47     98       48     99       49     99	-	33		$\dashv$	$\dashv$	_				_				83		4				_			
36       86         37       88         38       88         39       88         40       90         41       91         42       92         43       93         44       94         45       96         47       98         48       99         49       99	-	34	$\dashv$	-	$\dashv$	_			$\dashv$	_				84		_	_			_		_	
37     87       38     88       39     90       41     91       42     92       43     93       44     95       46     96       47     97       48     98       49     99	-	30		$\dashv$		_		$\dashv$		-1				85	_		_	_	_	4	_	_	
38     88       39     90       40     91       41     91       42     92       43     93       44     94       45     95       46     96       47     97       48     98       49     99	$\dashv$	30	$\dashv$	$\dashv$	-	-	-	$\dashv$		$\dashv$				86	_	_4	_	_		_		_	
39     89       40     90       41     91       42     92       43     93       44     94       45     95       46     96       47     97       48     98       49     99	$\dashv$	30		$\dashv$	-	-		$\dashv$						87	_	$\dashv$	_	_	_	_	_	_	
40	-	30	$\dashv$				$\dashv$							88		_		_		_	_		
41     91       42     92       43     93       44     94       45     95       46     96       47     97       48     98       49     99	-	39	4		$\dashv$	-	$\dashv$		4	_	_			89		$\dashv$	_	_	_		_		
42     92       43     93       44     94       45     95       46     96       47     97       48     98       49     99	$\dashv$	40	-		_	$\dashv$		-1	_	$\dashv$	_			90			_	_		_	_	_	
43     93       44     94       45     95       46     96       47     97       48     98       49     99	+		-			-		-							_	_	_	_		_	$\dashv$		
44     94       45     95       46     96       47     97       48     98       49     99	$\dashv$		-+		-		-	$\dashv$	$\dashv$								_		_	_		_	
45 95 96 96 97 97 98 99 99 99 99 99 99 99 99 99 99 99 99	$\dashv$		$\dashv$	-+	-		$\dashv$		$\dashv$							_	_		_		$\dashv$	_	
46	+		-+	-		_		-			_				_	_	_		_		$\dashv$		
47	$\dashv$		$\dashv$	$\dashv$		$\dashv$		-		$\dashv$	_				_		_	<b></b> ∤		_	_		
48 98 99 99 99 99 99 99 99 99 99 99 99 99	+		-+	$\dashv$		$\dashv$	-+	_		4	$\dashv$			96	$\dashv$	-	4	-		_	_	_	
49 99	+		-+	$\dashv$		$\dashv$	-	-			-						$\dashv$	_		_	$\dashv$		
	+	40	$\dashv$	$\dashv$	$\dashv$		-	-		$\dashv$	ᅴ				$\dashv$		-				4		
100	+		+	$\dashv$		$\dashv$	-+	$\dashv$		$\dashv$	$\dashv$	-		100	$\dashv$		$\dashv$	$\dashv$		-	$\dashv$	-+	
								1				L		100	1	1_	1		J		Щ.		_

Cla	aim	Date									
	Ì	T		Т	T		Τ	T	Τ		
Final	Original					!					
	l										
	101		1						L		
	102								I		
	102 103		П			Π					
	104					Γ					
	105						П				
	105 106										
	107						Π				
	108								Γ		
	108 109										
	110										
	111 112 113	L		L			$\Box$			$\Box$	
	112										
	113										
	114										
	114 115										
	116										
	117					1					
	118										
	119									$\top$	
	120					Π		ī	Т		
	121										
	122										
	122 123 124										
	124									П	
	125										
	126								П		
	125 126 127								<u></u>		
	128 129 130						L				
	129			L							
	130										
	131										
	131 132										
	133		L								
	134 135		Ĺ								
igsqcut	135		L	<u> </u>			L	匚			
	136						L		匚		
	137										
	138										
	139										
	140		<u> </u>			匚		L	匚		
	141	_			$ldsymbol{ldsymbol{ldsymbol{eta}}}$	<u> </u>	<u></u>	ļ	匚		
	142				<u> </u>	oxdot	_	_		Ш	
	143				_					Ш	
$\sqcup \downarrow$	144							L_		Ш	
	145					<u> </u>				Ш	
	146			L.,	L_	<u> </u>		<u> </u>	<u> </u>	Ш	
	147	_			_	$oxed{oxed}$		Ш	<u> </u>	Щ	
	148	_			ļ	<u></u>			$\vdash$	Щ	
<del>                                     </del>	149	_							<b> </b>	Ш	
	150										